

Title (en)
INSULATED STRUCTURE FOR AN APPLIANCE

Title (de)
ISOLIERTE STRUKTUR FÜR EIN GERÄT

Title (fr)
STRUCTURE ISOLÉE POUR UN APPAREIL

Publication
EP 4191174 A1 20230607 (EN)

Application
EP 22203971 A 20221026

Priority
US 202117542785 A 20211206

Abstract (en)
An insulated structure (20) for an appliance includes a plurality of walls (24), a cavity (52) defined by the plurality of walls (24), and an aperture (56) defined by one of the plurality of walls (24). The aperture (56) is employed in evacuating the cavity (52) to establish a less-than-atmospheric pressure within the cavity (52). A base structure (60) is coupled to a surface (64) of the one of the plurality of walls (24) that defines the aperture (56). The base structure (60) is aligned with the aperture (56). A pressure sensor (68) is received by the base structure (60). The base structure (60) and the pressure sensor (68) together define a pressure-sensing assembly (72).

IPC 8 full level
F25D 23/06 (2006.01)

CPC (source: CN EP US)
A47J 37/0664 (2013.01 - CN); **E06B 5/10** (2013.01 - CN); **F16L 59/065** (2013.01 - US); **F25D 23/028** (2013.01 - CN); **F25D 23/06** (2013.01 - EP); **G01L 19/149** (2013.01 - US); **F25D 23/065** (2013.01 - US); **F25D 29/005** (2013.01 - US); **F25D 2201/14** (2013.01 - EP US); **F25D 2700/00** (2013.01 - US)

Citation (search report)

- [XAYI] JP 2012136254 A 20120719 - HONKO MFG CO LTD
- [X] US 2016313055 A1 20161027 - HEYDEL ADOLF [DE]
- [Y] EP 3683487 A1 20200722 - WHIRLPOOL CO [US]
- [Y] JP H10239199 A 19980911 - TOSHIBA CORP

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4191174 A1 20230607; CN 116220522 A 20230606; US 11906379 B2 20240220; US 2023175912 A1 20230608; US 2024151604 A1 20240509

DOCDB simple family (application)
EP 22203971 A 20221026; CN 202211468033 A 20221122; US 202117542785 A 20211206; US 202418415897 A 20240118